

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|---------------------------|------------------|---------|---------------------|
| S1 | 37396 | "429"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/05/11 15:44 |
| S2 | 4 | S1 and second near mixer | US-PGPUB; USPAT | OR | OFF | 2006/05/11 16:13 |
| S3 | 0 | S1 and 2nd near mixer | US-PGPUB; USPAT | OR | OFF | 2006/05/11 15:48 |
| S4 | 457 | S1 and second near mix\$ | US-PGPUB; USPAT | OR | OFF | 2006/05/11 15:48 |
| S5 | 250 | S1 and second near mixture | US-PGPUB; USPAT | OR | OFF | 2006/05/11 15:49 |
| S6 | 3 | S1 and second near mixing near container | US-PGPUB; USPAT | OR | OFF | 2006/05/11 15:50 |
| S7 | 3 | S1 and second near mixing near10 container | US-PGPUB; USPAT | OR | OFF | 2006/05/11 16:07 |
| S8 | 12 | S1 and second near10 mixing near10 container | US-PGPUB; USPAT | OR | OFF | 2006/05/11 15:52 |
| S9 | 0 | S1 and another near10 mixing near10 container | US-PGPUB; USPAT | OR | OFF | 2006/05/11 15:53 |
| S10 | 160 | S1 and mixers | US-PGPUB; USPAT | OR | OFF | 2006/05/11 15:54 |
| S11 | 65 | S10 and fuel near cell | US-PGPUB; USPAT | OR | OFF | 2006/05/11 15:53 |
| S12 | 2 | S1 and mixing near containers | US-PGPUB; USPAT | OR | OFF | 2006/05/11 15:54 |
| S13 | 51 | S1 and second near10 containers | US-PGPUB; USPAT | OR | OFF | 2006/05/11 15:54 |
| S14 | 718 | S1 and second near10 container | US-PGPUB; USPAT | OR | OFF | 2006/05/11 15:55 |
| S15 | 34 | S1 and second near10 mix \$5 near10 container | US-PGPUB; USPAT | OR | ON | 2006/05/11 15:55 |
| S16 | 5 | ("4902586" "5482790" "6015634" "6274259" "6312842").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/11 15:58 |
| S17 | 0 | S16 and mixers | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/11 15:58 |
| S18 | 0 | S16 and mixer | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/11 15:58 |
| S19 | 4 | S16 and mix\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/11 16:01 |
| S20 | 0 | S16 and second near mix \$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/11 16:01 |
| S21 | 385 | S1 and second near mix\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/11 16:01 |

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| S22 | 159 | S21 and fuel near cell | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/11 16:02 |
| S23 | 2 | ("5372617" "5702491"). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/11 16:09 |
| S24 | 1 | S23 and mix\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/11 16:09 |
| S25 | 1 | S23 and mix\$4 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/11 16:09 |
| S26 | 1 | S2 and heat near exchanger | US-PGPUB; USPAT | OR | OFF | 2006/05/11 17:08 |
| S27 | 1 | "20020119352".pn. | US-PGPUB; USPAT | OR | OFF | 2006/05/11 17:08 |
| S28 | 1 | S27 and heat near exchanger | US-PGPUB; USPAT | OR | OFF | 2006/05/12 18:59 |
| S29 | 777 | 429/12.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/05/12 19:00 |
| S30 | 1673 | 429/26.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/05/12 19:00 |
| S31 | 1949 | 429/13.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/05/12 19:00 |
| S32 | 3196 | methanol near fuel near cell | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/19 20:00 |
| S33 | 165 | S32 and (mixer (mixing near tank)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/19 20:06 |
| S34 | 165 | S32 and (mixers (mixing near tanks)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/21 20:10 |
| S35 | 0 | "methanol." near fuel near cell | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 13:36 |
| S36 | 3206 | methanol near fuel near cell | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 13:37 |
| S37 | 1 | S36 and (second near mixer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 13:42 |

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| S38 | 18 | (fuel near cell) and (second near mixer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 13:41 |
| S39 | 6 | S38 and methanol | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 13:57 |
| S40 | 12 | S38 not S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 13:41 |
| S41 | 41 | S36 and (second near mix \$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 13:47 |
| S42 | 806 | (fuel near cell) and (second near mix\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 13:48 |
| S43 | 765 | S42 not S41 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 13:48 |
| S44 | 748 | S43 not S38 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 13:48 |
| S45 | 3 | (second adj mixer) and "429"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 13:58 |
| S46 | 19 | (second adj circulation) and "429"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 13:59 |
| S47 | 0 | (second adj circulation near tank) and "429"/\$. ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 13:59 |

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| S48 | 5 | (second near mix\$4 near tank) and "429"/\$.cds. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 17:15 |
| S49 | 2 | "6303244".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 17:15 |
| S50 | 18 | ("4125676" "4350608" "4395322" "4526843" "4728533" "4738903" "4745953" "4766043" "4810597" "4824739" "5013618" "5225391" "5294232" "5294580" "5335628" "5415888" "5561000" "5928807"). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:21 |
| S51 | 4297 | fuel near cell and (heat adj exchanger) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:21 |
| S52 | 162 | methanol near fuel near cell and (heat adj exchanger) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:31 |
| S53 | 9 | S52 and second near (heat near exchanger) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:33 |
| S54 | 8 | S52 and second adj (heat near exchanger) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:33 |
| S55 | 418 | fuel near cell and second adj (heat near exchanger) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:34 |
| S56 | 418 | (fuel near cell) and second adj (heat near exchanger) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:44 |
| S57 | 146 | S56 and methanol | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:42 |
| S58 | 21 | S57 and mixer | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:46 |
| S59 | 533 | (fuel near cell) and second adj (heat near exchanger) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 17:44 |
| S60 | 22 | S59 and methanol and mixer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 17:44 |

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| S61 | 1 | S60 not S58 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 17:44 |
| S62 | 3725 | (heat adj exchangers) and mixer | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:47 |
| S63 | 0 | S62 and fuel near cel | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:47 |
| S64 | 233 | S62 and fuel near cell | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:50 |
| S65 | 162 | S64 and methanol | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:53 |
| S66 | 13 | (second adj heat near exchanger) and (second adj mixer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 17:54 |
| S67 | 0 | S66 and fuel near cell | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 17:54 |
| S68 | 23 | (second near heat near exchanger) and (second near mixer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 17:58 |
| S69 | 0 | S68 and fuel near cell | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 17:55 |
| S70 | 237 | (heat near exchangers) and (second near mixer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 18:01 |
| S71 | 6 | S70 and fuel near cell | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 17:59 |
| S72 | 13058 | (heat near exchangers) and (mixer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 18:01 |

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| S73 | 567 | S72 and fuel near cell | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 18:02 |
| S74 | 319 | S73 and methanol | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 19:53 |
| S75 | 16 | ((second near heat near exchanger) and (methanol near fuel near cell)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 20:24 |
| S76 | 262 | ((heat near exchangers) and (methanol near fuel near cell)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/23 20:24 |
| S77 | 4610 | ((direct near methanol near fuel near cell) or DMFC) | US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 08:32 |
| S78 | 72 | S77 and ((heat near exchanger) same ((mixing or circulation or mixed))) | US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 08:33 |
| S79 | 17 | S77 and ((heat near exchanger) same ((mixing or circulation) near tank)) | US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 08:46 |
| S80 | 0 | S79 not S78 | US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 08:46 |
| S81 | 27 | S77 and ((heat near exchanger) and ((mixing or circulation) near tank)) | US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 08:46 |

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| S82 | 6 | S81 not S78 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 08:46 |
| S83 | 20 | S77 and (second near heat near exchanger) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 09:03 |
| S84 | 34 | S77 and (second near5 heat near exchanger) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 09:04 |
| S85 | 14 | S84 not S83 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 09:04 |
| S86 | 2 | "6977118".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 09:06 |
| S87 | 3 | ("4362788" "5441819" "6759153").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/04/22 09:06 |
| S88 | 3 | ("4362788" "5441819" "6759153").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/04/22 19:14 |
| S89 | 4610 | ((direct near methanol near fuel near cell) or DMFC) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 19:18 |
| S90 | 3 | S89 and ((heat near exchanger) same (exhaust near10 mixture)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 19:19 |
| S91 | 13 | S89 and ((heat near exchanger) same (exhaust same mixture)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 19:20 |

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| S92 | 4610 | ((direct near methanol near fuel near cell) or DMFC) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 22:45 |
| S93 | 18 | S92 and ((heat near exchanger) same (exhaust same (mixture or mix or mixing))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 22:45 |
| S94 | 2 | "20040053084".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 23:00 |
| S95 | 0 | ("2004/0053084").URPN. | USPAT | OR | OFF | 2008/04/22 23:01 |
| S96 | 5713 | ((heat near exchanger) same (exhaust same (mixture or mix or mixing))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 23:07 |
| S97 | 4024 | ((heat near exchanger) same (exhaust same mixture)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 23:34 |
| S98 | 28 | S97 and (direct near methanol) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 23:35 |
| S99 | 18 | S92 and ((heat near exchanger) same (exhaust same (mixture or mix or mixing or mixer))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 23:44 |
| S100 | 57 | S92 and ((heat near exchanger) and (exhaust same (mixture or mix or mixing or mixer))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 23:45 |

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| S101 | 39 | S100 not S99 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 23:45 |
| S102 | 1 | S101 and process near medium | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/22 23:58 |

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